

Calculation of the Laminar Boundary Layer
Along the Generating Line of a Sublimating
Body of Revolution, by V. V. Shchennikov.

RUSSIAN, per, Zhur Vychis Matemat i Matemat
Fiz, Vol V, No 1, 1965, pp 139-144.

*Dept of Navy 5366/APL/JHU TG230-TS17

Sci - Phys
Jun 67

Differentiability of the Solution of Basic
Functional Equations of Dynamic Programming,
by R. I. Zaroskiy. 12 p.
RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 5, 1965, pp 157-160.
SLA TT-66-10722

Sci-Math & Data
Jul 66

306,123

One Algorithm for Solution of a Nonlinear
Optimal Control Problem, by B. N. Psheni-
chnyy, 10 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol
5, No 2, Mar-Apr 1965, pp. 236-241.
JPRS 30939

USSR
Sci-Phys.
Jul 65

283,097

Determination of Optimally Responsive Controls for Linear Multidimensional Systems by Means of Methods from Functional Analysis, by K. Malanovski and S. Rolevich, 15 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i Matematicheskoy Fiziki, Vol 5, No 2, Mar-Apr 1965, pp. 242-251.
JPRS 30939

USSR
Sci-Phys
Jul 65

233,098

Computational Aspects of the Problem of
Optimal Flight As a Boundary Problem, by
V. K. Isayev and V. V. Sonin, 14 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Mate-
matiki i Matematicheskoy Fiziki, Vol 5,
No 2, 1965, pp 252-261. P100338567
FTD-HT-67-447

Sci-Physics
Jan 68

346,462

Codes Capable of Correcting Arithmetic
Errors, by V. M. Mikholev, 9 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol.
5, No 2, Mar-Apr 1965, pp. 311-316.
JPRS 30939

USSR
Math/DP
Jul 65

283,099

The AL'FA Compiler, by G. I. Babetskiy, M. M. Bezhanova, Yu. M. Voloshin, A. P. Yornov, B. A. Zagatskiy, L. L. Zniyevskaya, G. I. Kozhukhin, S. K. Kozhukhina, R. D. Mishkovich, Yu. I. Mikhalevich, I. V. Pottosin, and L. K. Trokhan, 14 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i Matematicheskoy Fiziki, Vol. 5, No 2, Mar-Apr 1965, pp. 317-325.

JPRS 30939

USSR

Sci-Math/DP

Jul 65

233,100

Expansion of the Logical Possibilities of
ALGOL-60, by V. P. Gladun, A. A. Letichev-
skiy, S. D. Mikhnovskiy, K. M. Podkolzina,
and Z. L. Rabinovich, 7 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol
5, No 2, Mar-Apr 1965, pp. 369-372.

JPRS 30939

USSR

Sci-Math/DP

Jul 65

203,101

Problems on the Extremum in the Presence
of Limitations, by A. Ya. Dubovitskii,
A. A. Milyutin.

RUSSIAN, per, Zhurnal Vychislitelnoi
Matematiki i Matematicheskoi Fiziki,
Vol 5, 1965, pp 495-453.

SLA TT-66-10916

331, 596

Sci - Math

Jul 67

Three-Dimensional Supersonic
Equilibrium Flow of a Gas Around
Bodies at the Angle of Attack,
by G. N. Katskova, P. I. Chushain.
RUSSIAN, per, Zhur Vych Mat i Mat Fiz.
Vol V, No 3, 1965, pp 503-516.
NASA TT F-9790

Sci-~~Math~~Phys
Mar 66

297,445

Application of "Artificial Viscosity" to
numerical solution of an inverse problem
of gas-dynamics, by L. I. Gervermanov.
Zhurnal, per, Zhurn Vychisl. Matem. i Mekh.
vol V, No 3, 1965, pp 566-571.
*Dept of Navy/AFM to 7-6 5

Sci - Eng.
Dec 65

error Estimates of the Bubnov-Galerkin
Method in the Eigenvalue Problem, by
V. Vainikko, 23 pp.
Russk. per. Vych. i teo. fiz.
Vol V, No 4, 1963, pp 587-607.
CIA/RDP X-5791

sci - Phys

Feb 66

FOR OFFICIAL USE ONLY

100,700

V. S. Nikolaev

Solution of Systems of Ordinary Differential
Equations by the Method of Expansion in Power
Series on Quick-Response Computers.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 5, 1965,

pp 608-614 P910326507

NTC 72-12731-12A

SCI TECH INFO FACILITY

SI-MAT-10 642

sci-math

sept 72

302,551

On a New Method of the Numerical Solution
of Nonstationary Gasdynamics Problems
With Two Space Variables, by
V. F. D'iachenko, 10 pp.
RUSSIAN, per, Vyschisl Mate i Matem Fiz.
Vol V, No 4, 1955, pp 680-688.
CIA/FDD X-6140

Sci - Math Sci
Mar 67
FOR OFFICIAL USE ONLY

320,553

Algorithm of the Selection of Concepts with
the Help of a Syntactic Table, by
Ye. A. Zhogolev, 16 pp.
RUSSIAN, per. Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 5, No 4, 1965,
pp 689-698. 100077468-V
FED-TT-67-76

Sci-Mec
May 68

356.399

Procedure Codes in the TA-2 Translator,
by S. S. Kamynin and E. E. Lyubimskiy, 14 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 5, No 4, 1965,
pp 699-708. P100119768-V
FTD-HT-67-56

Sci-Electronics

July 68

350,859

Planar Problem of Waves on the Surface of a
Moving, Viscous Fluid of Infinite Depth, by
R. A. Grastsev, 11 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
& Matematicheskoy Fiziki, Vol 5, No 4, 1965,
pp 754-760. F911251087
AEC SC-T-67-0926

331,074

Sci - Physics
Aug 67

Scientific Information (All Union
Conference on Computational Mathe-
matics), by V. N. Shklovskiy,
A. S. Likhovskiy, 3 pp.

USSR, Ser. Journal Vychislitel'noy
Matematiki i Mekhaniki,
Vol. 1, No. 1, 1981, pp. 779-783.

SI00219766

1981-07-15/50

Sci/Math Sci
Ser 53

364,283

Problem of Diffraction on a Lattice From
Arbitrary Profiles, by I. Ye. Tarapov,
17 pp.

RUSSIAN, per, Zhur Vych Mate i Matemat
Fiz, Vol V, No 5, 1965, pp 883-893.

P100130066

FTD-HT-66-170

Sci - Math Sci
Feb 67

318,801

Nonlinear Difference Schemes for Hyperbolic
Equations, by V. Ya. Gol'din, N. N. Kalitkin,
8 pp.

RUSSIAN, per, Vychislitate i Rite Fiz.
Vol V, no 5, 1965, pp 938-944.

CIA/FRD X-5811

Sci - Math & Data Proc
Feb 66

NOT OFFICIAL USE OF CIA

204,741

Results of Computing the Boundary Layer
on Blunt Cones in a Supersonic Flow,
by A. I. Zhukovskiy, et al.
RUSSIAN, for, Vychislitel'nyi metod razresheniya
Vol. V, No. 3, 1965, pp. 500-505.
CIA/RR X-5774

211,000
211,000

Sci - Phys

Jul 66

FOR OFFICIAL USE ONLY

211,000

Problems of Oscillations of a
Fluid Subjected to Surface Tension Forces,
by N. N. Moiseyev, F. L. Chernous'ko.
RUSSIAN, per, Zh Vych Mat i Mat Fiz, Vol V,
No 6, 1965, pp 1071-1095.
NASA TT F-10,141

Sci-Phys
Jul 66

306,539

R-6975-D

19 April 1966

The width of the cone of influence for heat conductivity
computation

By: V. Ye. Troshchikov (Moscow)

From: *IZVESTIYA VSESOYUZNOGO NAUCHNOGO TSENTRA
MATEMATIKI I MATEMATI-
CHESKOY FIZIKI* (Journal of computer mathematics and
mathematical physics) No. 5 #6, 1965 pp 1135-1141 (7 pp)

Russian - est for wds:

Translate and type 1 original and 1 carbon copy.
Document may be cut.

On Numerical Calculation of Supersonic Flow of
a Viscous Gas over Blunt Bodies, by A. I. Taldyuk.
Zhurnal, per, Zh. Vychislit. Mat. i Mek. Fiz.
Vol 6, No 1, 1966, pp 115-120.

Dept of Navy TR 5010

APL/Jan 7-1943

Sci/Physics
DEC 66

514,655

hypersonic Flow Past a Sphere of Air Association
in Equilibrium, by V.V. Lamev, V.G. Pavlov, et al.
RUSSIAN, per, Zhurnal Vychislitel'noi Matematiki
i Matematicheskoi Fiziki, no 1, 1966, pp. 121-129.
Navy tr 4971 APL/JAN T-1924

Sci/Physics
NOV 66

011,584

Automatic Monitoring of the Correct Recording
of Algorithms in the Algol-60 Language, by V.
A. Vasil'yev, M. N. Lominskiy, 28 pp.
RUSSIAN, per. Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 6, No 1, 1966,
pp 130-143. P100364767
FTD-MT-67-78

Sci-Elec
Jan 68

348,628

Method of Characteristics for Numerical Calculation of Spatial Flows of Gas, by

L. B. Magomedov, 21 pp.

RUSSIAN, per. Zhurnal Vychislitel'noy Matematiki i Matematicheskoy fiziki, Vol 6, No 2, 1966, pp 313-325.

AIR/FTD/MT-66-131

AD 679 535

Sci-Phys

Feb 69

372,989

on Fixed Pairs of Points of the Iteration Process
for Determination of Eigenvalues, by V. N. Shishkov.
RUSSIAN, per, Zhurnal Vychislitel'noi Matematiki
i Matematicheskoi Fiziki, Vol 6, No 2, 1966,
pp 332-335.

Navy Tr 4973 APL/JED T-1931

Sci/Materials
Nov 66

311,571

On the Solution of the Dispersion Equation for
the Linearized Boltzmann Equation in the Kinetic
Theory of Rarefied Gases, by A. A. Arsen'ev.
RUSSIAN, per, Zhurnal Vychislit. Mat. i Mat. Fiz.
Vol 6, No 2, 1966, pp 375-380.
Sept of day; Tr 1617
APL/JAN 1-1941

Sci/Physics
Doc 50

314,651

On the Stability of Difference Schemes
for the Cauchy Problem, by S. G. Kreyn,
L. N. Shablitskaya.
RUSSIAN, per, Zh Vychislitel'noy Mat
i Mat Fiz, Vol 6, No 4, 1966, pp 648-664.
Dept of Navy APL/JHU T-2259

Sci-Math
May 69

380,953

Hypersonic Gas Flow Past Blunt Bodies with
Radiation Taken Into Account, by

V. N. Fomin, 15 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol 6,
No 4, 1966, pp 714-726.

AIR/FTD/HT-23-985-67

CTA/FDD X-5958 13 pp

Sci-Phys
Jan 69

370,896

Assured Evaluations of System
Reliability with Incomplete Infor-
mation Concerning Reliability of
Elements, by Yu. P. Gerasimov,
D. S. Irger, 22 pp.
RUSSIAN, per, hurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki,
Vol 6, No 4, 1966, pp 733-747
P100203168-7
PTD-HI-67-463

Sci-Methods/Equip
Sep 68

364,167

Formulas of Numerical Differentiation,
by N. N. Gudovich.
RUSSIAN, per, Zh Vychislitel'noy Mat
i Mat Fiz, Vol 6, No 4, 1966, pp 760-762.
Dept of Navy APL/JHU T-2258

Sci-Math
May 69

380,952

Finite Difference Method for a First
Order Nonlinear Equation With Many
Independent Variables, by S. N. Kruzhkov,
12 pp.
RUSSIAN, per, Vychisl Matemat i Matem Fiz.
Vol VI, No 5, 1966, pp 884-894.
CIA/FDD X-6085

Sci - Math Sci
Feb 67
FOR OFFICIAL USE ONLY

317,691

Supersonic Flow Around Bodies of Revolution with
a Break in the Generatrix, by G. A. Belotserkovskiy,
A. B. Gudovskiy, et al.

RUSSIAN, per, Vychisl. Mate. i Mekh. Fiz.,
Vol 6, No 6, 1966, pp 930-934.

CIA X-6224

Abstracted in: J. Appl. Math. Mech.

Sci/Mysic

Apr 67

FOR OFFICIAL USE ONLY

542,934

Algorithm for Planning the Parallel Operation
of Computer System Devices, by Nguyen Ba Kho.
18 pp.

RUSSIAN, per, Zhurnal Mychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 6, No 4, 1966,
pp 748-757.

AIR/PTD/MI-24-91-68

Sci/Electronics
Feb 69

375,550

Supersonic Flow Around Blunt Bodies of
Revolution With a Generatrix Discontinuity,
by O. M. Belotserkovskiy, et al.
RUSSIAN, per, Zh. Vychisl Mat Mat Fiz.
Vol VI, No 5, 1966, pp 930-934.
NASA TT F-10,625

NTC 67-15532-01

Sci-Phys
Mar 67

320,832

Algorithms of Numerical Diagrams of the Method
of Integral Relationships for Calculating Fixed
Gas Flows, by G. A. Balotsarkovskiy, A. Bulakbayev.
RUSSIAN, per. Zhurnal Vychislitel'noy Matemati-
ki i Matematicheskoy Fiziki, Vol 6, No 6, 1966,
pp 1064-1081. F100124368-1
FTD-T-24-216-67

Sci-Phys
Jul 68

359,896

On One Class of Self-Similar Motions of Relaxing.
by O. Yu. Polyanskiy and N. G. Lebedeva.
RUSSIAN, per. Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 6, No 6, 1966,
pp 1119-1127. F100124363-1
ITD-IT-24-216-67

Sol-Phys
Jul 68

359.897

Use of the Method of Differential Descents
for the Solution of Nonlinear Systems, by
S. I. Al'ber, Ya. I. Al'ber.
RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki, Vol
7, No 1, 1967, pp 14-32.
AIR/FTD/HT-23-23-68

Sci-Math
Apr 69

379,854

A Gradient Method of Solving one Class of Optimal
Control problems, by O. V. Vasil'yev. 15 pp.
Russian, for, Zhurnal Vychislitel'noy Matematiki
& Matematicheskoy Fiziki, Vol 7, No 1, 1967,
pp 51-61.

ALL/PM/AF-23-158-68

sci/math
nov 69

397,264

Certain Problems in the Mathematical Theory
of the Critical State of Reactors, by S. B.
Shildov, 18 pp.
RUSSIAN, per, Ekspozitsionnyi Matematicheskii i Mekhanicheskii Fiziki, Jan-Feb 1967,
vol. 7, No. 1, pp. 113-127.
JPRS 42067

USSR
Sci-Math
Sept 67

339,033

Iteration Process For Solving a Finite-
Dimensional Contact Problem, by V. M. Fridman,
V. S. Chernina.

RUSSIAN, per, Zhur Vychis Mat i Mat Fiz,
Vol VII, No 1, 1967, pp 160-163.
Dept of Navy 5417/APL/JHU T-2010

Sci - Math Sci
Jul 67

326,173

Interpolation Methods for Calculating Simple
and Multiple Real Roots of Functions, by B. A.
Zhiglavich.

RUSSIAN, per, Zhurnal Vychislitel'noi Matematiki
i Matematicheskoi Fiziki, Vol 7, No 1, 1967,
pp 165-167.

Dept of Navy/ APL/JHU T-2036

Sci-Math

Oct 67

343,003

Some Iteration Methods for Solving Nonlinear
Equations With Non-Differentiable Operators,
by R. A. Shafiev.

RUSSIAN, per, Zh Vychislit Mat i Mat Fiz.
Vol 7, No 1, 1967, pp 425-429.
Dept of Navy APL/JHU T-2191

Sci
Dec 68

368,659

On Stability in W_2^2 of Schemes with a
Splitting Operator, by M. Dryya.
RUSSIAN, per, Zh. Vychislitel'noi Mat. Fiz.
Vol 7, No 2, 1967, pp 296-302.
Dept of Navy APL/JHU T 2271

Sci-Math
July 69

385,272

Synthesis of Trajectories Around the Moon with
Return to the Earth Atmosphere, by V. A. Il'yin.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki,
Vol 7, No 2, 1967, pp 367-388. P910:41568-V
Sci Tech Info Facility
ST-CM-10682

Sci/Atmos Sci
June 68

358,493

Calculation of Supersonic Flow Over Pointed
Axisymmetric Bodies, by V. P. Voskresenski,
USSR, per, Zh. Tekhnicheskoi Fiz. i Mat. Fiz.,
Vol. 7, No. 2, 1957, pp 386-406.
Dept of Engg ASD/711 7-2137

Sci/Fign
Sep 63

363,243

V. A. Perepukhov

Aerodynamic Characteristics of a Sphere and
a Blunt Cone in a Strongly Rarefied Gas Flow.

RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki
i Matematicheskoi Fiziki, Vol 7, 1967, pp 444-452.

DOC 72-14049-01A

AIR/FTO/MT-24-135-62

cc./Physics
Nov 72

375,822

Asymmetric Flow Around the Frontal Part of a
Body of Rotation by a Supersonic Stream of an
Ideal or Real Gas, by I. G. Kozlova,
A. N. Minaylos. 23 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 7, No 3, 1967,
pp 594-608.
AIR/FTD/MT-24-5-68

The Convergence of the False Perturbation
Method for the Computation of Eigenvalues,
by F. Kunert.

RUSSIAN, per, Zh Vychislitel'noy Mat i
Mat Fiz, Vol 7, No 4, 1967, pp 752-563.
Dept of navy APL/JHU T-2241

Sci-Math
Mar 69

378,640

On the Structure of Matrices Inverse to the
Correlation Matrices of Vector Random
Processes, by L. M. Kutikov.

RUSSIAN, per, Zh Vychislitel'noy Mat i
Mat Fiz, Vol 7, No 4, 1967, pp 764-773.

Dept of Navy APL/JHU T-2245

Sci-Math

Mar 69

378,644

An "Iteration" Method for Solving Difference Equations, by V. V. Ogneva.

RUSSIAN, per, Zh Vychislitel'noy Mat 1
Mat Fiz, Vol 7, No 4, 1967, pp 803-812.

Dept of Navy APL/JHU T-2234

Sci-Math
Mar 69

378,634

Performance of Laval Nozzles under Partial
Load Conditions, by O. S. Ryzhov.
RUSSIAN, per, Zh Vych Mat i Mat Fiz, Vol 7,
No 4, 1967, pp 859-866.
NII Ref: 5809.95 (T.6048)

Sci-Phys
May 69

380,681

On a Method of Solving Systems of Nonlinear Algebraic
and Transcendental Equations, by M. D. Fayergoiz,
RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 7,
No 4, 1967, pp 869-874.
CIA X-6741

Rec'd 2/2/3/4/5/6

Sept 68

367,075

Solution of Boundary Problems for the Laplace
Equation by the Method of Conforming Maps,
by V. G. Ivanov. R 44.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, vol 7, no 4, 1967,
pp 885-899.
AD5/EM/18-23-719-68

sci/math
july 69

384,229

Application of the Runge-Kutte Method
to the Solution of Fredholm Integro-
Differential Equations, by

L. M. Likhtarnikov.

RUSSIAN, per, Zhurnal Vychislet'noy
Matematiki i Matematicheskoy, Vol 7,
No 4, 1967, pp 899-905.

AIR/FTD/HT-23-1655-67

Sci-Math

Feb 69

372,943

Solution of Boundary-Layer Equations in the
Vicinity of the Stagnation Point, by
N. D. Vvedenskaya.
RUSSIAN, per, Zh Vychislit Mat i Mat Fiz.
Vol 7, No 4, 1967, pp 924-929.
Dept of Navy APL/JHU T-2196

Sci
Dec 68

368,664

Calculation of a Boundary Layer with
Chemical Reactions along the Forming
Body of Revolution, by V.V. Alekseyev.
RUSSIAN, per, Zh Vychisl Mat i Mat Fiz.
Vol 7, No 4, 1967, pp 929-933.
FTD-S-461-119-627

Mar 69

376,317

Supersonic Gas Flow Past Blunted Cones With
Radiation Taken Into Account, by V.I. Porin,
N. P. Zhulishnina. 8 p.
RUSSIAN, per, Zhurnal Vysshelitel'noy Literatury
I Matematicheskoy Fiziki, Vol 7, No 4, 1967,
pp 933-937.
AIR/PPD/IR-23-71-68
JPRS 44,457

sci/physics
mar 69

376,633

Calculation of Dose Derivatives by Monte Carlo
for Optimization of Shape and Composition of Shields,
by H. Z. Brainina. *Math.*
RUSSIAN, per, Zhurnal Vychislitelnoi Matematiki i
Matematicheskoi Fiziki, Vol 7, 1967, pp 983-997.
NTC-71-10199-12B

Added to file 14/10/68

Nov 71

On Realization of Recursive Procedures, by V.V.
Lutsikovich.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki i
Matematiki i Matematicheskoy Fiziki, Vol 7, No 6,
1967, pp 1346-1357.
FTD-S-250 / C-2-68

Jan 69

574,212

The Application of Chebyshev Polynomials, Ortho-
normalized on a System of Equally Spaced Points, for
Numerical Differentiation, by L. P. Grabar,

5 pp.

RUSSIAN, per, Zh Vych Matematiki i Matematicheskoy
Fiziki, No 7, 1967, pp 1375-1379.

ARC/ESIC-Tr-977-70

sci/math
July 70

Diffusion in a Mixture of Ideal Gases, by
Yo. Yo. Shnol'.
RUSSIAN, per, Zhurnal Vychisletel'noy Matematiki
i Matematicheskoy Fiziki, Vol 7, No 6, 1967,
pp 1416-1422. P911200468-V
AEC SC-T-68-1525

Sci-Phys
Aug 68

357,482

New Methods of Calculating the Origin of
a Table at Numerical Integration of Or-
dinary Differential Equations, by
Yu. V. Rakitskiy.

RUSSIAN, per, Zh Vychisl Matem i Matem
Fiz, Vol 8, No 1, 1968, pp 13-27.

FTD-S-346 36 67

Feb 69

375,391

About Variational-Differential Schemes for
Linear Elliptical Equations of Second
Order in a Two-Dimensional Area with
Fragmentary Smooth Boundary, by

L. A. Oganessian.

RUSSIAN, per, Zh Vychisl. Matem i Matem
Fiz, Vol 8, No 1, 1968, pp 97-114.

~~FTD-S-345~~ 35-69

Feb 69

375,390

Application of an Upper Relaxtion Method
to the Solution of Three-Dimensional
Problems for Equations of the Second
Order, by I. S. Kats.

RUSSIAN, per, Zhurnal Vychislitel'noy
Matematiki i Matematicheskoy Fiziki,
No 1, 1968, pp 115-124.

FTD-S-571 231-67

702 707

On the Optimization of Certain Linear Systems
with Distributed Parameters, by A. B. Rabinovich,
10 pp.
RUSSIAN, per, Z Vychislitel'noy Math i Math Fiziki,
Vol 8, No 1, 1968, pp 195-202.
ARM/RSIC-Tr-946-69
GOVERNMENT USE ONLY

392,239

On Certain Self-Similar Motions of an Ideal
Gas, by S. K. Godunov, I. L. Kireeva.
RUSSIAN, per. Zh. Vychislitel'noi Mat. i
Mat. Fiz., Vol 8, No 2, 1968, pp 374-392.
Dept of Navy APL/JHU T-2202

Sci-Phys
Jan 69

372,319

Certain Approaches to a Solution of Steady-State
Navier-Stokes Equations, by A.A. Dorodnitsyn, N.A.
Keller.

RUSSIAN, per, Zhurnal Vychisletel'noy Matematiki i
Maticheskoy Fiziki, Vol 8, No 2, 1968, pp 395-402.
FTD-5-212 - 68

Jan 69

373,537

Investigation of the Zeros of the Transcendental
Function, $g(z) = \Gamma(x)A(z)\Gamma(z)$, by T. I. Chukantse.
USSR Doc, per, Yekhiel Natani i Natani 112, 12, 1968,
pp 415-417.
CIA X-6738

Sept 68

367,072

Certain Properties of Transonic Flows of Real Gas,
by O.S. Ryzhov.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 8, No 2, 1968,
pp 472-479.

FTD-S-321 273-68

Jan 69

374,339

About a Homogeneous Implicit Difference Scheme
for Solving an Evolutionary Equation With Phase
Changes, by A. N. Gaypova. 11 pp.

RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Vol 8, No 3, 1968,
pp 534-543.

FTD S-606 #7 258 00

june 69

383,005

Three-Dimensional Supersonic Flow Over a Blunt
Body, by V. V. Rusanov, 31 pp.
RUSSIAN, per, Zhurnal Vychislitel'noy Matematiki
i Matematicheskoy Fiziki, Moscow, No 3, 1968,
pp 616-633.
JPRS 47180

Sci-Phys
Jan 69

372.775

Iteration Method for Finding a Polynomial
of Best Approximation, by A. A. Korneychuk.
RUSSIAN, per, Zh Vychislitel'noy Mat i
Mat Fiz, Vol 8, No 3, 1968, pp 670-674.
Dept of Navy APL/JHU T-2242

Sci-Math
Mar 69

378,641

On a "Direct" Method of Simulating Random
Quantities, by G. A. Mikhailov
RUSSIAN, per, Zh. Vychislitel'noi Mat. i
Mat. Fiz., Vol 8, No 4, 1968, pp 928-929.
Dept of Navy APL/JHU T-2220

Sci-Physics
Feb 69

369,640

The Method of Finite Differences for Solving
One-dimensional Nonstationary Problems of
Magnetohydrodynamics, by A. A. Samarskiy.

18 pp.

RUSSIAN, per, Zh Vych Mat i Mat Fiz, Vol 8,
No 5, 1968, pp 1025-1038.

NASA TT F-12,361

Sci-Phys
Nov 69

395,812

Three-Dimensional Supersonic Gas Flow
Accompanied by Nonequilibrium Processes, by
O. N. Katskova. 18 pp.
RUSSIAN, per, Zh Vych Mat i Mat Fiz, Vol 8,
No 5, 1968, pp 1049-1062.
NABA TT F-12, 362

Sci-Phys
Nov 69

395,791

High-Temperature Boundary Layer in the Atmosphere,
by Ye. Ye. Shnol, 21 pp.
RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 8,
1968, pp 1063-1075.
AEC/SC/Tr-69-1014

Sci/Math
May69

382,689

On a Principle of Optimization of Calculations
by the Monte Carlo Method, by G. A. Mikhaylov.

12 pp.

RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz.

Vol 8, No 5, 1968, pp 1085-1093.

NASA TT F-12,364

Sci-Phys
Nov 69

397,354

On a Class of Integral Representations and
Some Estimates of Bessel Functions, by
N. V. Slonovskiy.
RUSSIAN, per, Vychisl Mat i Mat Fiz, Vol 8,
No 5, 1968, pp 1101-1105.
CIA X-6892

Feb 69

374,323

Stability of Certain Numerical Schemes in the
Three-Dimensional Method of Characteristics,
by Yu. Ya. Sukhaylov, 5 pp.
RUSSIAN, per, Zh Vychisl Math i Math Fiz, Vol 8,
1968, pp 1158-1160.
AEC/SC-Tr-69-1010

Sci/Math
Jun 69

382,701

Convergence of Difference Schemes Approximating
the Second and Third Boundary-~~Value~~ Problems
for Elliptic Equations, by V. B. Andreyev.
RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 20,
No 6, 1968, pp 1218-1231.
Dept of Navy APL/JHU T-2296

Sci-Math
Oct 69

393,321

Calculation of the Equations of a Three-dimensional Laminar Boundary Layer by the Integral Method, by V. A. Bashkin.

RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz,
Vol 8, No 6, 1968, pp 1280-1290.

NASA TT F-12,293

CIA X-1230

Sci-Phys
Oct 69

392,928

Algorithm for Finding the Set of all Solutions
of the Problem of Linear Programming, by

N. V. Chernikova.

RUSSIAN, per, Zh Vychisl Mat i Mat Fiz, Vol 8,
No 6, 1968, pp 1387-1395.

Dept of Navy APL/JHU T-2295

Sci-Math

Iwvo 69

395,733

Monte Carlo Computation of Aerodynamic Characteristics of Bodies of Complex Shape in Free Molecular Flow, by A. A. Bogacheva. 11 pp. RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz, Vol 8, No 6, 1968, pp 1395-1402. NASA TT F-12,360

Sci-Phys
Oct 69

394,448

On Bodies of Rotation in Mach 1 Flow of an
Ideal Gas, by V. N. Diyesperov. 15 pp.
RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz.
Vol 9, No 1, 1969, pp 164-176.
NASA TT F-12,369

Sci-Phys
Dec 69

397,350

The Entrainment of Solids in a Pipe by a Flow
of a Viscous Incompressible Liquid, by

V. A. Lyulka. 8 pp.

RUSSIAN, per, Zhurnal Vychisl Mat i Mat Fiz,

Vol 9, No 1, 1969, pp 238-243.

NASA TT F-12,370

Sci-Phys

Dec 69

397,349